able B-1

Period from August 1 to August 28, 19

1945

tate of Montana

Location and time of operation of each loadometer station, and number of vehicles counted and number weighed at each.

Station number	Route number	Description of Station Location	Time of operation: Year	Month and day	Day of week	Hours	Total vehicles counted: Military	Civilian	Civilian trucks and combinations: Number counted	Number weighed	Percent weighed	Remarks
7	US 10 & US 93	Southeasterly leg of the 3-way junction of US 10 and US 93 West of Missoula	1945	8/3	Fri.	2 PM		605	123	107	86.99	
			1944	8/4	Fri.	10 PM		312	92	81	88.04	Road under cons
9	US 10	US 10 just West of the junction of US 10 and US 10A in Drummond	1945	8/2	Thu.	6 AM	2	290	68	65	95.59	
			1944	8/3	Thu.	2 PM		219	46	40	86.96	
11	US 10S & US 91	Easterly leg of the 3-way junction of US 10S and US 91 at Missler	1945	8/7	Tue.	6 AM	1	668	142	132	92.96	
			1944	8/8	Tue.	2 PM	1	557	125	109	87.20	
13	US 91	Southwesterly leg of the 3-way junction of US 91 and Mont. 41 at Dillon	1945	8/6	Mon.	2 PM		377	104	97	93.27	
			1944	8/7	Mon.	10 PM	3	274	91	86	94.51	
17	US 10S	Westerly leg of the 3-way junction of US 10S and Mont.41 west of Whitehall	1945	8/8	Wed.	2 PM		360	59	55	93.22	
			1944	8/9	Wed.	10 PM	3	294	49	48	97.96	
30	US 12 & US 310	Northeasterly leg of 3-way junction of US 12 and US 310 at Rockvale	1945	8/30	Thu.	6 AM		427	116	103	88.79	*
			1944	8/16	Wed.	2 PM		599	155	144	92.90	
36	US 89 & US 91	On US 89 and US 91 approx. 1.1 miles West of Great Falls	1945	8/24	Fri.	6 AM	3	585	116	116	100.00	
			1944	8/25	Fri.	2 PM		453	149	134	89.93	

* Affected by construction of pipe-line Cody, Wyoming to refinery at Laural, Montana. (Many tank units eliminated)

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Table 8-1 (Cont'd)
State of Montana

Station number	Route number	Description of station location	Time of operation: Year	Month and day	Day of week	Hours	Total vehicles counted: Military	Civilian	Civilian trucks and combinations: Number counted	Number weighed	Percent weighed	Remarks
41	US 10 & US 12	Southwesterly leg of the 3-way junction of US 10 and US 12 East of Miles City	1945	8/16	Thu.	6 AM	2	278	64	60	93.75	*
			1944	8/17	Thu.	2 PM		242	65	51	78.46	
43	US 10	Easterly leg of the 3-way junction of US 10 and Mont.18 West of Glendive	1945	8/17	Fri.	2 PM		547	205	194	94.63	
			1944	8/18	Fri.	10 PM		403	153	131	85.62	Grain hauling.
45	US 2	Easterly leg of the 3-way junction of US 2 and Mont. 16 at Culbertson	1945	8/20	Mon.	6 AM		200	87	84	96.55	
			1944	8/21	Mon.	2 PM		130	58	56	96.55	
50	Mont.29	On Mont.29 approx. 5.3 miles Northeast of City Limits of Great Falls	1945	8/28	Tue.	6 AM		255	68	63	92.65	
			1944	8/29	Tue.	2 PM	6	211	48	43	89.58	
51	US 87 & US 89	Southeasterly leg of the 3-way junction of US 87 and US 89 and the 10th Ave. So. By-pass East of Great Falls	1945	8/27	Mon.	6 AM	3	471	92	92	100.00	
			1944	8/28	Mon.	2 PM	2	476	156	138	88.46	
53	US 87	Southerly leg of the 3-way junction of US 87 and Mont.18 North of Grass Range	1945	8/13	Mon.	2 PM	1	158	39	39	100.00	
			1944	8/14	Mon.	10 PM		113	35	35	100.00	
54	US 10 & US 87	On US 10 and US 87 0.5 miles Northeast of Billings	1945	8/10	Fri.	2 PM	7	913	254	247	97.24	Billings Fair
			1944	8/11	Fri.	10 PM	1	732	237	234	98.73	

* Not materially affected by holiday.

Station number	Route number	Description of station location	Time of operation: Year	Month and day	Day of week	Hours	Total vehicles counted: Military	Civilian	Civilian trucks and combinations: Number counted	Number weighed	Percent weighed	Remarks
55	US 10N & US 91	Westerly leg of the 3-way junction of US 10N and US 91 East of Helena	1945	8/1	Wed.	6 AM	2	525	112	99	88.39	
			1944	8/2	Wed.	2 PM		448	91	84	92.31	
56	US 10	Westerly leg of the 3-way junction of US 10 and US 89 at Livingston	1945	8/9	Thu.	2 PM	1	329	64	62	96.88	
			1944	8/10	Thu.	10 PM	1	272	59	49	83.05	
57	US 10	On US 10 West of Laurel	1945	8/14	Tue.	2 PM	1	596	126	125	99.21	
			1944	8/15	Tue.	10 PM		424	117	110	94.02	
58	US 2	On US 2 West of Glasgow	1945	8/21	Tue.	6 AM		207	60	59	98.33	
			1944	8/22	Tue.	2 PM		135	54	43	79.63	
59	US 2	On US 2 West of Havre	1945	8/22	Wed.	6 AM	17	211	50	49	98.00	
			1944	8/23	Wed.	2 PM		267	78	66	84.62	
60	US 2	On US 2 West of Shelby	1945	8/23	Thu.	6 AM		222	64	63	98.44	
			1944	8/24	Thu.	2 PM		172	63	47	74.60	1 hr. lost due to damage to scales

Table W-2

Period from August 1 to August 28, 1945

State of Montana

Number and percent of vehicles of each type counted
at 20 loadometer stations during the period
from August 1 to August 28, 1945 compared to similar data for 1944

Type of Vehicle	Number counted during the period			Percent of total civilian vehicles		
	1945	1944	1945:1944	1945	1944	1945:1944
Military Vehicles						
Passenger cars	8	8	1.000			
Single-unit trucks	31	4	7.750			
Tractor-truck and semi-trailer combinations	1	5	0.200			
Trucks with trailed loads						
Busses						
Other vehicles						
Total Military	40	17	2.353			
Civilian Vehicles						
Local passenger cars	5,077	3,999	1.270	61.73	59.39	1.039
Foreign passenger cars	1,032	729	1.416	12.55	10.83	1.159
Sub Total Passenger Cars	6,109	4,728	1.292	74.28	70.22	1.058
Single-unit trucks (light)	1,643	1,517	1.083	19.98	22.53	0.887
Single-unit trucks (medium)	111	108	1.028	1.35	1.61	0.839
Single-unit trucks (heavy)	11	21	0.524	0.13	0.31	0.419
Tractor-truck and semi-trailer combinations	160	165	0.970	1.95	2.45	0.796
Truck and trailer combinations	83	110	0.755	1.01	1.63	0.620
Sub Total Trucks and Combinations	2,008	1,921	1.045	24.42	28.53	0.856
Busses	107	84	1.274	1.30	1.25	1.040
Total Civilian	8,224	6,733	1.221	100.00	100.00	1.000

Table W-3

State of Montana

Period from August 1 to August 28, 1945

Percentages loaded and empty and average total weights, average empty weights, and average maximum axle load of civilian trucks and combinations of each type at 20 loadometer stations during the period from August 1 to August 28, 1945 compared to corresponding data for 1944.

Vehicle type and survey year	Loaded and empty vehicles		Loaded Vehicles				Empty Vehicles		
	Distribution by type* (percent)	Average weight (pounds)	Percent of total loaded and empty of each type (percent)	Distribution by type (percent)	Average total weight (pounds)	Average maximum axle loads (pounds)	Percent of total loaded and empty of each type (percent)	Distribution by type (percent)	Average empty weight (pounds)
Single-unit trucks (light)									
1945	81.82	6,143	30.12	69.22	10,064	7,337	69.88	88.76	4,453
1944	78.97	6,541	35.80	68.90	9,647	6,931	64.20	85.98	4,809
Ratio 1945:1944	1.036	0.939	0.841	1.005	1.043	1.059	1.088	1.033	0.926
Single-unit trucks (medium)									
1945	5.53	16,108	64.55	10.03	19,854	12,766	35.45	3.04	9,290
1944	5.62	13,763	61.11	8.37	17,339	11,059	38.89	3.71	8,143
Ratio 1945:1944	0.984	1.170	1.056	1.198	1.145	1.154	0.912	0.819	1.141
Single-unit trucks (heavy)									
1945	0.55	23,280	100.00	1.54	23,280	13,570	**	**	**
1944	1.09	22,295	71.43	1.90	25,727	12,547	28.57	0.53	13,717
Ratio 1945:1944	0.505	1.044	1.400	0.811	0.905	1.082	**	**	**
Tractor-Truck semi-trailers									
1945	7.97	27,029	55.19	12.36	34,467	13,920	44.81	5.55	17,867
1944	8.59	29,728	56.96	11.92	38,584	15,359	43.04	6.26	18,131
Ratio 1945:1944	0.928	0.909	0.969	1.037	0.893	0.906	1.041	0.887	0.985
Truck and trailers									
1945	4.13	41,137	59.04	6.85	54,882	13,994	40.96	2.63	21,329
1944	5.73	45,529	63.81	8.91	57,460	15,419	36.19	3.52	24,492
Ratio 1945:1944	0.721	0.904	0.925	0.769	0.955	0.908	1.132	0.747	0.871
Total all types									
1945	100.00	10,009	35.74	100.00	17,528	9,290	64.26	100.00	5,827
1944	100.00	11,672	41.45	100.00	18,792	9,280	58.55	100.00	6,632
Ratio 1945:1944	1.000	0.858	0.862	1.000	0.933	1.001	1.098	1.000	0.879

*Distribution by type of the total civilian trucks and combinations counted during the period, calculated from table W-2.

**No empty, heavy trucks were weighed during the 1945 survey.

Table #-4

Period from August 1 to August 28, 1945

State of Montana

Number of axle loads of various magnitudes per 100 loaded and empty civilian trucks and combinations of each type at 20 loadometer stations during the period from August 1 to August 28, 1945 compared to corresponding data for 1944

Axle load in pounds	Single-unit trucks						Tractor-truck semi-trailers		Truck and trailers		All trucks and combinations	
	Light		Medium		Heavy							
	1945	1944	1945	1944	1945	1944	1945	1944	1945	1944	1945	1944
Under 8,000	152.85	147.08	8.40	8.90	.66	1.35	18.27	18.00	10.60	12.28	190.78	187.61
8,000 - 8,499	.79	.83	.25	.21	.06	.11	.83	.33	.84	1.15	2.77	2.63
8,500 - 8,999	.95	1.07	.10	.05	.05	.16	.67	.54	.55	1.04	2.32	2.86
9,000 - 9,499	.69	1.00	.10	.26		.10	.47	.27	.30	.98	1.56	2.61
9,500 - 9,999	1.84	.83	.30	.21	.06	.10	.88	.54	.79	1.15	3.87	2.83
10,000 - 10,999	1.90	1.65	.46	.36		.05	1.45	1.20	.84	.93	4.65	4.19
11,000 - 11,999	1.26	1.48	.40	.68		.36	.93	1.30	2.39	1.25	4.98	5.07
12,000 - 12,999	.84	.89	.46	.37	.16	.31	1.14	1.85	.60	.65	3.20	4.07
13,000 - 13,999	.79	1.24	.40	.21	.05	.11	.72	1.25	.60	1.31	2.56	4.12
14,000 - 14,999	.95	1.18	.10	.16	.06	.10	.42	.65	.50	1.42	2.03	3.51
15,000 - 15,999	.32	.71	.35	.31	.05		.62	.76	.35	1.75	1.69	3.53
16,000 - 16,999	.32	.17	.15	.10	.06		.57	.82	.60	1.53	1.70	2.62
17,000 - 17,999	.15		.10	.10			.67	1.19	.25	.87	1.17	2.16
18,000 - 18,999	.15	.05	.30		.06		.21	.87	.25	.65	.97	1.57
19,000 - 19,999			.30	.10	.05		.10	.22		.16	.45	.48
20,000 - 21,999			.05			.05	.21	.11			.26	.16
22,000 - 23,999							.10	.11			.10	.11
24,000 - 25,999												
Total	163.80	158.18	12.22	12.02	1.32	2.80	28.26	30.01	19.46	27.12	225.06	230.13

Table W-5

State of Montana

Period from August 1 to August 28, 1945

Percentage frequency distribution of total weights of loaded and empty civilian trucks and combinations of each type at 20 loadometer stations during the period from August 1 to August 28, 1945 compared to corresponding data for 1944

Total weight in pounds	Single-unit trucks						Tractor-truck semi-trailer		Truck and trailers		All trucks and combinations	
	Light		Medium		Heavy							
	1945	1944	1945	1944	1945	1944	1945	1944	1945	1944	1945	1944
Under - 10,000	84.23	83.93	29.09	37.96		4.76	.65				70.58	68.45
10,000 - 11,999	4.76	4.11	7.27	10.19			6.49	1.90			4.81	3.98
12,000 - 13,999	5.02	4.11	10.91	10.18		9.52	3.25	6.33			4.97	4.46
14,000 - 15,999	2.32	2.47	5.45	11.11	10.00	9.53	7.14	11.39			2.83	3.65
16,000 - 17,999	1.87	2.69	10.91	7.41	20.00	9.52	6.49	5.70	1.20		2.82	3.13
18,000 - 19,999	.84	2.09	6.36	1.85		19.05	9.09	5.06	14.46	3.81	2.35	2.62
20,000 - 21,999	.64	.45	7.27	8.33	10.00		11.04	5.06	15.66	10.48	2.49	1.87
22,000 - 23,999	.19	.15	3.64	2.78	20.00		7.79	7.59	6.02	6.67	1.33	1.31
24,000 - 25,999	.13		10.91	2.78	10.00	9.52	2.60	4.43		2.86	.99	.82
26,000 - 27,999			1.82	3.70	10.00	14.29	.65	6.33		2.85	.20	1.07
28,000 - 29,999			1.82	2.78		4.76	5.20	3.80		2.86	.51	.70
30,000 - 34,999			3.64		10.00	14.29	15.58	5.70	3.62	6.67	1.65	1.03
35,000 - 39,999			.91	.93	10.00	4.76	9.09	7.60	7.23	3.81	1.13	.97
40,000 - 44,999							6.49	8.86	4.82	1.90	.72	.87
45,000 - 49,999							3.25	13.29	12.05	5.71	.76	1.47
50,000 - 54,999							3.90	4.43	7.23	16.19	.61	1.31
55,000 - 59,999							.65	2.53	6.02	13.33	.30	.98
60,000 - 64,999							.65		6.03	9.52	.30	.55
65,000 - 69,999									10.84	6.67	.45	.38
70,000 - 74,999									3.62	3.81	.15	.22
75,000 - 79,999										2.86		.16
80,000 - 84,999									1.20		.05	
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

ble B-6

Period from August 1 to August 28, 19

ate of Montana

Listing showing total weight, axle loads, and axle spacing of single-unit trucks weighing 13 tons or more and of combinations weighing 17 tons or more at 20 loadometer stations during the period from August 1 to August 28, 1945.

Vehicle type designation	Total weight	Axle loads						Axle Spacing					Wheel base	Maximum value of e*		Station at which weighed
		A	B	C	D	E	F	A-B	B-C	C-D	D-E	E-F		Value	Axle group**	
	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(feet)	(feet)	(feet)	(feet)	(feet)				
3003	66500	7600	13200	14400	12400	12100	6800	13.6	4.5	13.4	18.0	4.5	54.0	733	B-F	7
3003	67900	7900	13400	14400	12400	12500	7300	13.0	4.1	12.4	17.0	4.1	50.6	773	B-F	7
3003	67600	7500	13600	14700	12100	12300	7400	13.6	4.5	13.4	18.0	4.5	54.0	748	B-F	7
2X20	43400	6400	15200	10400	11400			13.3	19.4	4.0			36.7	584	B-D	7
2X20	39700	8100	18200	6900	6500			12.9	22.0	4.1			39.0	503	A-D	7
3000	30100	7100	12300	10700				14.4	3.6				18.0	528	B-C	7
3002	34800	7300	6100	7000	7000	7400		13.6	4.5	13.4	18.0		49.5	389	A-E	7
3000	27600	6800	10600	10200				14.4	3.6				18.0	477	B-C	7
3003	62700	7500	11100	14300	11600	11700	6500	13.6	4.5	13.4	18.0	4.5	54.0	687	B-F	7
3003	66900	8400	12300	11700	13100	9500	11900	12.9	4.4	14.1	13.2	4.4	49.0	769	B-F	9
3003	49800	6000	11900	13500	7300	5400	5700	13.7	4.4	14.1	17.5	4.4	54.1	572	B-C	9
3000	30200	6400	12800	11000				14.6	3.6				18.2	546	B-C	9
3000	33100	6600	12800	13700				14.9	3.6				18.5	608	B-C	9
3003	62300	7800	11800	11900	10700	10900	9200	13.6	4.4	13.3	17.6	4.4	53.3	684	B-F	9
3002	42300	8200	10500	10500	6800	6300		18.0	4.0	14.3	20.0		56.3	477	B-C	9
3003	61000	9800	9600	11600	11900	9800	8300	13.6	4.4	13.8	18.0	4.4	54.2	648	A-F	9
2X20	45100	7700	13100	12400	11900			14.2	11.3	4.0			29.5	676	B-D	9
3002	80500	11300	19100	17600	16000	16500		18.7	4.4	14.2	14.2		51.5	951	B-E	11
3003	74200	10200	11900	14400	13600	12100	12000	13.7	4.6	13.7	17.8	4.2	54.0	797	B-F	11
3002	69900	10300	14500	14500	15700	14900		17.0	4.3	12.8	18.6		52.7	787	B-E	11
3003	52200	8000	10200	10400	11600	5300	6700	13.4	4.4	14.1	18.0	4.4	54.3	559	A-D	11
3003	49500	7300	10100	9800	7600	7300	7400	13.7	4.2	13.7	13.8	4.2	49.6	556	B-F	11
3003	48300	7300	10000	10000	7400	7200	6400	13.7	4.4	12.5	13.6	4.4	48.6	547	B-F	11
3002	39300	7600	10000	8700	7100	6100		18.7	4.4	14.2	14.2		51.5	440	B-D	11
3002	57900	8500	11100	11800	13500	13000		18.7	4.4	14.2	14.2		51.5	679	B-E	11
3002	36800	7600	6400	6700	9200	6900		17.0	4.3	13.5	17.4		52.2	400	A-D	13
3002	38500	7700	7000	7400	9200	7200		17.0	4.3	13.5	17.4		52.2	418	A-D	13
3002	38200	7300	7100	7400	9500	6900		17.0	4.3	13.5	17.4		52.2	418	A-D	13
2X20	35100	6200	13100	7500	8300			13.1	18.2	4.3			35.6	464	A-D	13

Vehicle type designation	Total Weight (pounds)	Axle Loads						Axle Spacing					Wheel base	Maximum value of c*		Static at whi weighe
		A (pounds)	B (pounds)	C (pounds)	D (pounds)	E (pounds)	F (pounds)	A-B (feet)	B-C (feet)	C-D (feet)	D-E (feet)	E-F (feet)		Value	Axle group**	
3003	46200	6700	10000	7900	8000	7400	6200	17.3	4.4	18.0	17.0	4.4	61.1	471	B-F	13
3000	37300	5600	16700	15000				14.8	3.6				18.4	727	B-C	17
3002	67300	7000	11000	12200	18300	18800		15.7	4.4	12.4	20.0		52.5	785	B-E	17
3000	30200	6900	14400	8900				14.8	3.6				18.4	534	B-C	17
3003	67400	9600	13200	13800	14600	7600	8600	18.2	4.0	15.6	10.7	4.0	52.5	778	B-F	17
2002	56900	8000	16300	16700	15900			14.4	10.5	14.9			39.8	748	B-D	30
2X10	35400	5800	16900	12700				12.7	18.3				31.0	508	B-C	30
2002	40900	6900	17000	9300	7700			14.1	9.0	16.3			39.4	537	B-C	30
3X20	36400	8400	8500	8300	5700	5500		15.4	4.0	18.6	4.0		42.0	444	A-E	30
2X10	35000	4600	13200	17200				13.7	20.1				33.8	506	B-C	30
2002	42300	6800	15000	11000	9500			15.3	8.9	17.2			41.4	537	B-D	30
2002	47300	6800	13700	13600	13200			14.3	9.1	17.3			40.7	610	B-D	30
2002	48700	7100	16000	13500	12100			14.1	9.3	18.0			41.4	618	B-D	30
3002	62600	11100	14000	13100	14100	10300		20.0	4.0	14.9	15.8		54.7	700	B-D	36
3000	28600	5400	13700	9500				14.8	3.6				18.4	532	B-C	36
3003	67000	5900	14500	15700	12400	9800	8700	13.7	4.0	13.9	18.4	4.0	54.0	761	B-F	36
2X20	43000	5500	15600	11300	10600			14.2	16.7	4.3			35.2	615	B-D	36
2002	55600	5400	16700	16000	17500			15.0	9.3	14.9			39.2	782	B-D	41
2X20	54000	7200	17500	13400	15900			12.5	16.7	4.4			33.6	742	B-D	41
2X10	36500	4200	18200	14100				14.3	20.2				34.5	537	B-C	41
3X20	44100	7300	11900	12100	6100	6700		14.3	4.3	18.2	4.3		41.1	551	B-E	41
2X20	34300	5200	12200	10800	6100			13.7	18.5	4.3			36.5	463	B-D	41
2X20	54400	7800	18300	13000	15300			13.4	20.7	4.3			38.4	717	B-D	41
3002	71700	10200	14200	14500	16200	16600		17.7	4.3	15.0	28.0		65.0	757	B-D	41
2002	54000	5700	16800	14200	17300			15.0	9.3	14.7			39.0	755	B-D	43
2002	46000	8000	16000	13600	8400			15.2	8.9	17.3			41.4	605	B-C	43
2002	55900	7900	19400	13800	14800			16.6	13.2	15.2			45.0	702	B-D	43
2X20	46100	5100	17200	11500	12300			12.7	20.3	4.0			37.0	638	B-D	43
2X10	40100	5700	16700	17700				13.4	20.7				34.1	567	B-C	43
2X20	36500	6400	15700	8200	6200			14.3	18.0	4.3			36.6	483	B-D	43
3002	53700	7800	15500	13100	9600	7700		15.1	4.0	9.7	18.2		47.0	711	B-D	43
2X20	35100	6300	16100	8000	4700			13.1	18.3	4.1			35.5	465	A-D	43

Vehicle type designation	Total Weight (pounds)	Axle Loads A (pounds)	B (pounds)	C (pounds)	D (pounds)	E (pounds)	F (pounds)	Axle Spacing A-B (feet)	B-C (feet)	C-D (feet)	D-E (feet)	E-F (feet)	Wheel base	Maximum value of c* Value	Axle group**	Static at whi weighe
3X20	52200	9000	11100	11200	10300	10600		13.4	4.4	20.5	4.4		42.7	651	A-E	50
2X20	43800	5900	20300	9500	8100			12.5	15.1	4.1			31.7	640	B-D	51
2X20	35900	8900	12200	7600	7200			14.7	14.6	4.1			33.4	489	A-D	51
3X20	46100	8100	10600	10200	8400	8800		14.7	4.1	14.6	4.1		37.5	605	B-E	51
3000	36000	9600	13600	12800				15.5	4.3				19.8	602	A-C	53
2X20	64400	6800	23400	17300	16900			14.3	16.7	3.9			34.9	950	B-D	53
2002	53900	7100	17600	15000	14200			16.5	11.6	15.1			43.2	702	B-D	53
2X20	39700	6600	10400	13900	8800			13.7	20.0	4.1			37.8	516	B-D	53
2X10	41800	5600	21200	15000				12.7	20.5				33.2	598	B-C	54
3003	53600	8000	9100	9300	9500	8200	8900	13.6	4.4	13.4	17.6	4.4	53.4	574	A-F	54
3003	47200	6900	8200	8800	9900	7200	6200	13.4	4.3	13.0	17.3	4.3	52.3	511	A-F	54
2X10	34900	5700	18100	11100				13.7	20.3				34.0	484	B-C	54
2X20	51700	5100	19900	14600	12100			12.4	19.3	4.3			36.0	733	B-D	54
2002	56200	7800	19500	14800	14100			14.1	11.2	13.4			38.7	749	B-D	54
3X20	54600	8300	12800	11900	11300	10300		15.5	3.9	18.5	3.9		41.8	698	B-E	54
2X10	41100	6400	17800	16900				13.5	17.6				31.1	602	B-C	54
2002	41600	7700	15600	10300	8000			14.7	11.4	14.3			40.4	517	A-D	54
3002	38600	9200	9300	9500	5500	4500		20.0	4.0	14.9	15.6		54.5	447	A-C	55
3X20	46800	8300	9300	9700	9500	10000		15.4	4.0	18.6	3.9		41.9	579	B-E	55
2002	38100	4500	17500	7400	8700			13.2	11.2	8.7			33.1	561	B-D	55
3003	61200	9300	12500	11300	11400	8900	7800	13.6	4.3	13.5	17.7	4.3	53.4	655	A-F	55
2X20	59100	5100	21500	16500	16000			14.7	16.1	4.0			34.8	899	B-D	55
2X20	51100	6300	21100	10400	13300			13.4	18.4	4.2			36.0	716	B-D	55
2X20	45200	5700	17700	9800	12000			13.5	16.2	4.3			34.0	653	B-D	56
3003	47500	8200	9700	10200	8400	6000	5000	13.6	4.4	13.8	17.2	4.4	53.4	509	A-F	56
3002	71400	11200	13700	14000	16700	15800		18.7	4.0	12.4	19.0		54.1	798	B-E	56
2000	27600	8200	19400					15.0					15.0	502	A-B	57
2X10	44200	4800	17400	22000				13.4	20.0				33.4	657	B-C	57
2002	53600	6300	16300	15800	15200			14.3	9.7	16.2			40.2	718	B-D	57
3003	45100	5200	9100	7800	8700	8000	6300	16.7	4.3	9.2	17.4	4.3	51.9	531	B-F	58
3000	27300	7100	10300	9900				14.1	4.3				18.4	467	A-C	58

ble W-6 (Cont'd)
ate of Montana

Vehicle type designation	Total Weight (pounds)	Axle Loads A (pounds)	B (pounds)	C (pounds)	D (pounds)	E (pounds)	F (pounds)	Axle Spacing A-B (feet)	B-C (feet)	C-D (feet)	D-E (feet)	E-F (feet)	Wheel base	Maximum value of c* Value	Axle group**	Station at which weighed
2X20	38900	5300	17000	10300	6300			13.4	16.9	4.3			34.6	549	B-D	59
3000	29500	6500	12000	11000				15.7	4.1				19.8	522	B-C	59
2X10	41200	5700	19500	16000				13.3	20.0				33.3	592	B-C	60
3000	30900	6400	12600	11900				14.4	4.0				18.4	557	B-C	60
2X10	35200	4600	16100	14500				14.7	16.0				30.7	546	B-C	60
2X10	39200	5100	17000	17100				12.3	16.3				28.6	606	B-C	60
2X10	36300	5200	15700	15400				12.3	16.3				28.6	552	B-C	60
3002	65200	11300	16100	15500	13800	8500		20.0	3.9	14.3	16.3		54.5	780	B-D	60
2X10	44800	4600	17600	10200	12400			13.4	18.3	4.1			35.8	644	B-D	60

* Highest value of 'c' in the formula: $c = \frac{W}{L + 40}$ in which L is the distance in feet between the first and last axle of the vehicle or of any interior group of axles, and W is the total weight of the vehicle or of the interior group of axles.

** Designates the outside axles of the group having the highest value of c in the formula as, for example, 'B-C', or 'A-C'.

BRITISH COLUMBIA

DOMINION OF CANADA

ALBERTA SASKATCHEWAN

LINCOLN COUNTY

BONNER CO. BOUNDARY CO. KOOTENAI CO.

GLACIER NATIONAL PARK

FLATHEAD COUNTY

SANDERS COUNTY

LAKE COUNTY

MINERAL COUNTY

CLEARWATER CO.

LEWIS & CLARK COUNTY

POWELL COUNTY

GRANITE COUNTY

RAVALLI COUNTY

DEER LODGE COUNTY

SILVER BOW COUNTY

BEAVERHEAD COUNTY

JEFFERSON COUNTY

BROADWATER COUNTY

MADISON COUNTY

GALLATIN COUNTY

PARK COUNTY

CHOUTEAU COUNTY

TETON COUNTY

PONDERA COUNTY

TOOLE COUNTY

GLACIER COUNTY

LIBERTY COUNTY

HILL COUNTY

BLAINE COUNTY

CASCADE COUNTY

JUDITH BASIN COUNTY

MEAGHER COUNTY

WHEATLAND COUNTY

GOLDEN VALLEY COUNTY

MUSSELSHELL COUNTY

SHELL COUNTY

YELLOWSTONE COUNTY

STILLWATER COUNTY

SWEET GRASS COUNTY

CARBON COUNTY

FERGUS COUNTY

PETROLEUM COUNTY

GARFIELD COUNTY

ROSEBUD COUNTY

TREASURE COUNTY

POWDER RIVER COUNTY

CARTER COUNTY

CUSTER COUNTY

FALLON COUNTY

PRAIRIE COUNTY

WIBAUX COUNTY

DAWSON COUNTY

RICHLAND COUNTY

McCONE COUNTY

ROOSEVELT COUNTY

DANIELS COUNTY

SHERIDAN COUNTY

VALLEY COUNTY

PHILLIPS COUNTY

BIG HORN COUNTY

CHEYENNE INDIAN RESERVATION

CROW INDIAN RESERVATION

FORT PECK INDIAN RESERVATION

FORT BELKNAP INDIAN RESERVATION

BLACKFEET INDIAN RESERVATION

FORT PECK DAM

GREAT FALLS

CHINOOK

HAVRE

SHELBY

CUT BANK

CONRAD

CHESTER

MALTA

GLASGOW

WOLF POINT

CULBERTSON

SCOBEY

PLENTYWOOD

OUTLOOK

WESTBY

FLAXVILLE

RAYMOND

OPHEIM

BAYLOR

DAGMAR

RESERVE

TAMPICO

NASHUA

POPLAR

FORT PECK

FORT BENTON

CHOTEAU

DUTTON

POWER

FAIRFIELD

SUN RIVER

SIMMS

AUGUSTA

STOCKETT

ARMINGTON

CASCADE

EDEN

WINIFRED

DENTON

HILGER

ROY

STANFORD

HANNAVER

LEWISTOWN

BROOKS

GRASSRANGE

HEATH

MOORE

UTICA

HEVER

JORDAN

VAN NORMAN

CIRCLE

BROCKWAY

BLOOMFIELD

GLENDIVE

SIDNEY

RICHEY

LAMBERT

GIRARD

FAIRVIEW

WINNETT

MUSSELSHELL

ROUNDUP

HYSHAM

FORSYTH

COLSTRIP

MILES CITY

CUSTER

BROADUS

BAKER

EKALAKA

ALZADA

WYOLA

GREY AGENCY

HARDIN

BILLINGS

HUNTLEY

WORDEN

SHEPHERD

LAUREL

COLUMBUS

ROCKVALE

ABSAROKEE

ST XAVIER

BRIDGER

WARREN

RED LODGE

CLARKS FORK

BELFRY

LOVELL

WYO.

HOBSON

JUDITH GAP

HARLOWTON

HEDGESVILLE

WHITE SULPHUR SPRINGS

MARTINSDALE

TWODOT

SHAWMUT

RYEGATE

LAVINA

GOLDEN VALLEY

BROADVIEW

RAPELJE

REEDPOINT

ROBERTS

FROMBERG

BELFRY

LOVELL

WYO.

HOBSON

JUDITH GAP

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FROMBERG

LIVINGSTON

BOZEMAN

BELGRADE

MANHATTAN

WILLOW CREEK

TRIDENT

MERIDIAN

THREE FORKS

WHITEHALL

ALDER

VIRGINIA CITY

TWIN BRIDGES

JACKSON

WISDOM

DILLON

MONIDA

WEST YELLOWSTONE

TASHEER JUNCTION

GARDINER

CLARK CITY

WOLF CREEK

LINCOLN

WILBORN

YORK

HELENA

CANTON

TOWNSEND

TOSTON

RADERSBURG

BOULDER

GARRISON

DEER LODGE

GALEN

WARM SPRINGS

ANACONDA

PHILIPSBURG

STEVENSVILLE

HAMILTON

DARBY

CONNER

GIBBONS PASS

WHITEHALL

ALDER

VIRGINIA CITY

TWIN BRIDGES

JACKSON

WISDOM

DILLON

MONIDA

WEST YELLOWSTONE

TASHEER JUNCTION

GARDINER

CLARK CITY

WOLF CREEK

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WILBORN

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CANTON

TOWNSEND

TOSTON

RADERSBURG

BOULDER

GARRISON

DEER LODGE

GALEN

WARM SPRINGS

ANACONDA

PHILIPSBURG

STEVENSVILLE

HAMILTON

DARBY

CONNER

GIBBONS PASS

MISSOULA

FRENCHTOWN

DESMET

BONNER

CLEARWATER

RAVALLI

SUPERIOR

PLAINS

THOMPSON FALLS

LOOKOUT PASS

HOT SPRINGS

POLSON

ELMO

SOMERS

BIG FORK

KALISPELL

WHITEFISH

COLUMBIA FALLS

GLACIER PARK

BROWNING

BABB

EUREKA

TROY

LIBBY

DUPUYER

VALIER

SWEETGRASS

SUNBURST

KEVIN

ALMA

GOLDSTONE

JOPLIN

RUDYARD

TURNER

LORING

COTEAU

SACO

OPHEIM

BAYLOR

DAGMAR

RESERVE

TAMPICO

NASHUA

POPLAR

FORT PECK

FORT BENTON

CHOTEAU

DUTTON

POWER

FAIRFIELD

SUN RIVER

SIMMS

AUGUSTA

STOCKETT

ARMINGTON

CASCADE

EDEN

WINIFRED

DENTON

HILGER

ROY

STANFORD

HANNAVER

LEWISTOWN

BROOKS

GRASSRANGE

HEATH

MOORE

UTICA

HEVER

JORDAN

VAN NORMAN

CIRCLE

BROCKWAY

BLOOMFIELD

GLENDIVE

SIDNEY

RICHEY

LAMBERT

GIRARD

FAIRVIEW

WINNETT

MUSSELSHELL

ROUNDUP

HYSHAM

FORSYTH

COLSTRIP

MILES CITY

CUSTER

BROADUS

BAKER

EKALAKA

ALZADA

WYOLA

GREY AGENCY

HARDIN

BILLINGS

HUNTLEY

WORDEN

SHEPHERD

LAUREL

COLUMBUS

ROCKVALE

ABSAROKEE

ST XAVIER

BRIDGER

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VALIER

SWEETGRASS

SUNBURST

KEVIN

ALMA

GOLDSTONE

JOPLIN

RUDYARD

TURNER

LORING

COTEAU

SACO

(59) (60) (58) (45) (36) (50) (51) (7) (9) (55) (54) (57) (56) (17) (11) (13) (53) (43) (41) (30)

INSET OF GREAT FALLS

NO. 10 NO. 40 NO. 3 NO. 11 NO. 41 MISSOURI RIVER

(51)

LEGEND

NO. 24 FEDERAL AID PRIMARY ROUTE AND NUMBER

NO. 266 FEDERAL AID SECONDARY ROUTE AND NUMBER

(20) LOADOMETER STATION

MAP OF MONTANA

SHOWING

LOCATION OF LOADOMETER STATIONS

PREPARED BY

STATE HIGHWAY PLANNING SURVEY

IN COOPERATION WITH

PUBLIC ROADS ADMINISTRATION

FEDERAL WORKS AGENCY

REVISED AUG. 1943